

Supplement to Work Plan EPA Grant Recipient Environmental Best Practices

EPA Grant Recipient will use the sustainable business practices described below in the execution of the work funded by the grant. The benefits will occur primarily in Task 1, Project Management but will also occur in Task 2, Facility Plan Update and Task 3, Develop 30% Preliminary Plans.

Project meetings

Project meetings between the EPA Grant Recipient and its wastewater consultant will be held by teleconference, WebEx, Go-To Meeting, Skype or other similar web based platforms to the extent practicable. It is estimated that there would be at least one onsite meeting per month where travel from City A to City B can be avoided. For the 2 year duration of the project, this will save approximately 5,760 vehicle miles travelled (24 trips x 240 miles round trip). Additional travel savings will occur when the project financial subconsultant participates in the meetings and avoids travel to City B from their office in City X. The estimated savings will be 6,400 miles avoided (8 round trips at 800 miles). Some of the mileage will be air travel and other miles will be vehicle travel.

The wastewater consultant will utilize staff from its branch offices to complete the work. Each branch office is connected with video conferencing (Polycom). This allows internal project meetings to be conducted without travel between offices. Over the course of the project, travel between the City A and City Y branch offices will be reduced by an estimated 30 round trips for a savings of 3,600 vehicle miles travelled (30 trips x 240 miles round trip).

Printing/Copying

The major deliverable work products will be reports and drawing sets. To the extent practicable, project files will be paperless. All final reports and drawings will be made available as electronic files on the EPA Grant Recipient's website. Distribution of paper copies will be limited to only those with a need to have paper copies.

Reports and other project documents will be printed double sided using recycled paper. It is estimated that 5,000 to 10,000 sheets of paper can be saved over the course of the project. Drawing sets will be distributed as half-scale sets, saving 75% of the paper (22x34 to 11x17). All plotter/printer ink cartridges and toner cartridges will be returned to the manufacturer for recycling.

Project Features

The project under development will be new and/or upgraded wastewater treatment facility. The facility planning and preliminary design phases will consider sustainable wastewater treatment practices. Some of the practices/facilities to be considered include:

- ☐ Anaerobic digesters for biomass to methane gas conversion and cogeneration.
- ☐ Solar drying of sludge

- ☐ Recycling for in-plant reuse
- ☐ Recycling for landscape and/or crop irrigation
- ☐ Solar energy
- ☐ Use of recycled materials in construction
- ☐ High efficiency electric motors and pumps
- ☐ High efficiency aeration

The goal will be to make the wastewater treatment process as close as possible to a net zero energy use, if it can be shown to be economically feasible.